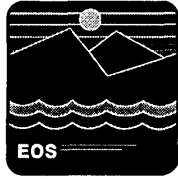


Ancillary Data Status

**Shirley M. Read, SAIC GSC
PI Processing Meeting
June 9, 1999**



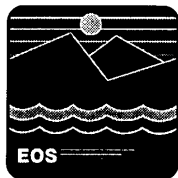
Ancillary Data Sets for MODIS Processing



. DATA PROVIDED by NCEP, NASA, and U.S. NAVY

- **GDAS_0ZF** - One Degree NCEP GDAS - PGE03 +, PGE04 *, PGE06 *, PGE17 *
- **OZ_DAILY** - TOVS Column Ozone Daily Product - PGE03 +, PGE04 *, PGE06 *
- **OZONEEP** - TOMS Column Ozone, Earth Probe - PGE19 *
- **REYNSST** - Reynolds Weekly SST - PGE03 +, PGE04 *, PGE06 *, PGE18 *
- **SEA_ICE** - NCEP Sea Ice Concentration at 0.5 Degree Lat/Lon Projection - PGE03 +, PGE04 *, PGE06 *
- **FNMOCLML** - One Degree FNMOCL Ocean Mixed Layer Model Output - PGE51 +

Current Version: * Required, + Optional

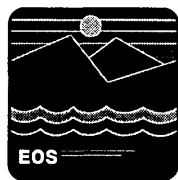


Ancillary Data Sets for MODIS Processing (Continued)



. DATA PROVIDED by DAO

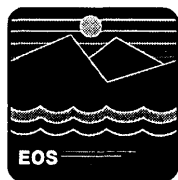
- DFLAPMIS - DAS.flk.asm.tsyn3d_mis_p - PGE06 *
 - DFLAXCHM - DAS.flk.asm.tavg2d_chm_x - PGE11 +
 - DFLAXCLD - DAS.flk.asm.tavg2d_cld_x - PGE06 *
 - DFLAXENG - DAS.flk.asm.tavg2d_eng_x - PGE11 +, PGE06 *,
PGE51 +, PGE36 *, PGE37 *, PGE38 *
 - DFLAXSTR - DAS.flk.asm.tavg2d_str_x - PGE11 +
 - DFLAXMIS - DAS.flk.asm.tavg2d_mis_x - PGE11 +
 - DFLAXLSM - DAS.flk.asm.tavg2d_lsm_x - PGE51 +
- Current Version: * Required, + Optional**



AVAILABILITY of ANCILLARY DATA



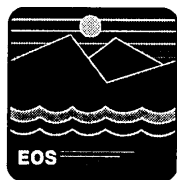
- **August 1997 Baseline Period used in WILT and N-Day Tests**
 - All NCEP and NASA Data Sets (Few missing files)
 - All DAS Data Sets at 2x2.5 degree resolution available, except DFLAXCHM (not available) and DFLAXLSM (new request)
- **February 17 to March 6, 1999 (Days 48 to 65) Data Period Requested for MODIS X-Day Test and subsequent tests**
 - All NCEP, NASA, and U.S. Navy Data Sets restored on larry server at the GSFC DAAC and copied to MODAPS
 - March 3 to March 5, 1999 (Days 62 to 64) DAS Data Sets at 2x2.5 degree resolution generated by DAO and copied to MODAPS, except DLFAXCHM and DFLAXLSM



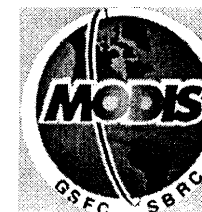
AVAILABILITY of ANCILLARY DATA (Continued)



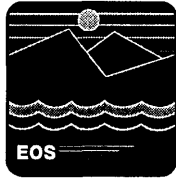
- **ECS SIPS delivery has been delayed.**
- **GSFC will use ACDIS for transfer of available NCEP, NASA, U.S. Navy, and DAO Data in MOSS-2 Test.**
- **DAO Data Sets at 1x1 degree resolution**
 - **Will only be produced at this resolution during the mission.**
 - **Some August 1997 data at 2x2.5 degrees were interpolated and made available for testing with PGEs at the GSFC DAAC.**
 - **Quality of interpolated data was not good enough for use with science algorithms.**



New Ancillary Data Set



- **New NISE Snow and Sea Ice Data Set is available.**
 - **Produced at NSIDC.**
 - **Archived at NSIDC.**
 - **Will be ported to the larry server at the GSFC DAAC.**
 - **CCR was submitted to include NISE as part of the ECS baseline.**
 - **NSIDC generated and provided NISE Data for end of July and beginning of August of 1997 to MODIS for testing.**
 - **MODAPS can get NISE Data from the larry server until SIPS is ready.**
 - **MODAPS will get NISE Data via Cross-DAAC SIPS interface after ECS Release 5A.**
 - **NISE Data will be used for MODIS Atmosphere processing post-launch.**



Test Results for MODIS PGEs with Current Ancillary Data



- **Current 1999 Ancillary Data SDST/MODAPS testing**
 - Recently a format change was made in the NCEP GDAS_OZF data in GRIB format, but was later changed back to original format; file sizes changed, some GRIB readers at other sites needed changes.
 - MODAPS is verifying that GRIB readers in MODIS PGEs still work correctly and that MODIS PGEs are still able to read current ancillary data.
 - MODAPS tested current Day ^{48 and 50} 226, 1999 with the Oceans Preprocessors. PGE17 ran successfully on GDAS_OZF (NCEP). PGE19 ran successfully on OZONEEP (TOMS Ozone).
 - STTG Oceans created images from the preprocessed ancillary data files for GDAS_OZF on Day 48, 1999 and for OZONEEP on Day 50, 1999. Output data appears to be correct.

NCEP GDAS_OZF

Wind Sped

Day 48 1999

N



S

N

TOMS OZONEEP

Ozone

Days 01999

S

